

INTERNATIONAL SEARCH REPORT

BEST AVAILABLE COPY

Intern. Appl. No.
PCT/EP2004/051700

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L 606F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/133756 A1 (JAIN SUDHANSHU) 19 September 2002 (2002-09-19) figures 1-4,6 page 1, paragraph 6 page 2, paragraphs 15,16 page 3, paragraph 39 page 4, paragraph 49 page 5, paragraph 59-61 page 6, paragraphs 61,64 page 8, paragraph 84-86 page 9, paragraphs 99,100 ----- -/-	1-19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

9 November 2004

Date of mailing of the international search report

17/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Mircescu, A

INTERNATIONAL SEARCH REPORT

BEST AVAILABLE COPY

International Application No

PCT/EP2004/051700

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 568 615 A (LINDESMITH ROBERT J ET AL) 22 October 1996 (1996-10-22) figures 1-4 column 2, lines 60-67 column 3, lines 1-26 column 6, lines 12-67 column 7, lines 58-67 column 8, lines 1-7 column 12, lines 51-67 column 13, lines 1-6 column 15, lines 32-67 column 16, lines 27-38 column 21, lines 21-38 column 22, lines 7-28	1-19
A	US 5 636 204 A (MIZUNO HIROYUKI ET AL) 3 June 1997 (1997-06-03) figures 1-5 column 2, lines 13-45 column 3, lines 19-52 column 4, lines 19-30 column 5, lines 39-62 column 6, lines 30-57 column 7, lines 29-37 column 8, lines 50-67	1-19

INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern. Appl. No.

PCT/EP2004/051700

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002133756 A1	19-09-2002	WO 02065607 A1	22-08-2002
		WO 02065306 A1	22-08-2002
		WO 02065661 A1	22-08-2002
		US 2002112072 A1	15-08-2002
		US 2002116669 A1	22-08-2002
US 5568615 A	22-10-1996	AU 4400893 A	04-01-1994
		CA 2137157 A1	23-12-1993
		DE 69315210 D1	18-12-1997
		DE 69315210 T2	19-03-1998
		EP 0645026 A1	29-03-1995
		ES 2108875 T3	01-01-1998
		JP 7507892 T	31-08-1995
US 5636204 A	03-06-1997	WO 9325945 A1	23-12-1993
		JP 3547215 B2	28-07-2004
		JP 8256172 A	01-10-1996